REVOTIK RVO3000-D30 OTDR

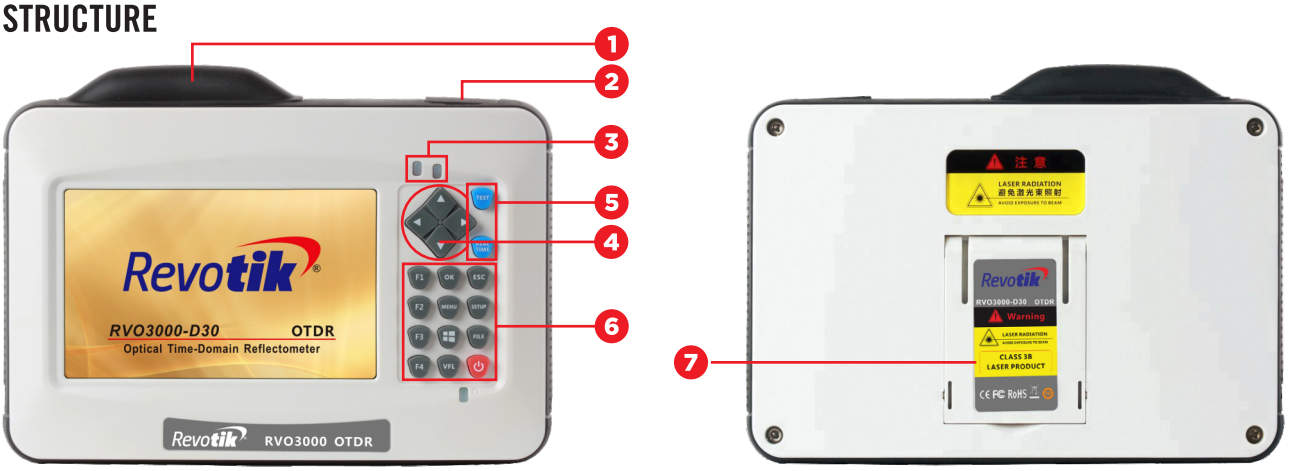
FEATURES

- Hand-held and portable
- High cost performance
- 5-inch HD touch screen
- Simple interface and one-button testing
- Long working hours
- Support multi-languages

APPLICATIONS

- CATV network testing
- Access network testing
- LAN/WAN network testing
- Metro network testing
- Lab and Factory testing
- Real-time trouble shooting

STRUCTURE



NUMBER	ITEMS	DESCRIPTION
1	Port 1	Including OTDR testing port (FC/UPC), VFL Port (optional)×1, Power Meter Port (optional)×1 and touch pen×1
2	Port 2	Including USB A type×2, micro-USB×1, SD card and charging port
3	Indicator	Indicate test state or charging state
4	Navigator	Move cursor menu or files
5	Test Button	Averaging test (TEST) button and real-time test (REALTIME) button
6	Key Area	**F1~F4** : select relevant sub-menu **OK** : confirm button **ESC** : cancel button **MENU** : back to main menu **SETUP** : enter testing parameter setting interface **FILE** : enter file manager : take screen capture : power button
7	Support Plate	Support OTDR on the level surface

Model:

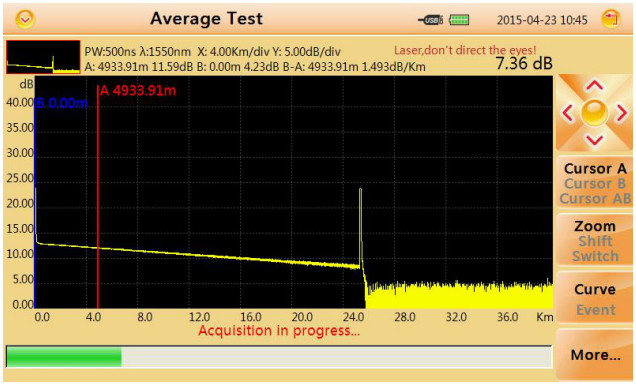
Type	Testing Wavelength	Dynamic Range①	Event/Attenuation dead-zone②
RVO3000-D30	1310/1550nm	30/28dB	1/5m

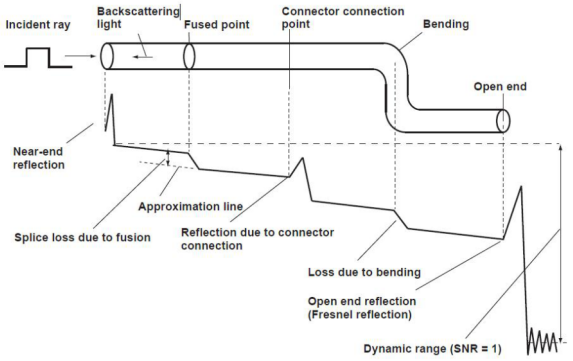
Humanized Test Interface

FHO3000 series OTDR could display Splice loss, Connector loss, Fiber attenuation, Reflection of points, Link opitcal return loss and distance to fiber events etc. With test information in a smart way, user could get detailed information immediately.

Quick fit in short time

Simplified display style and structured menus help effective in reducing the time of study.





Be smart with HD touch screen

5 inch true color high resolution touch screen is perfect for viewing OTDR testing results. It provides excellent readability both indoors and outdoors.

-Touch and Test

Touch screen offers a smart way to operate OTDR, even you are wearing gloves; you could use the touch pen to set or check testing parameters.

Result transfer

Check test result on PC or PDA through USB;
4GB large internal memory space could store more than 40,000 groups of results.

-Link in line

1. Download reference traces and settings from database
2. Send measurement result via e-mail
3. Ask for remote help

Data Manager

Use Data Manager to elaborate and print out result files on upper computer within a few steps.

High Compatibility

- **Support:**

  -Windows Vista (32/64 bit system)

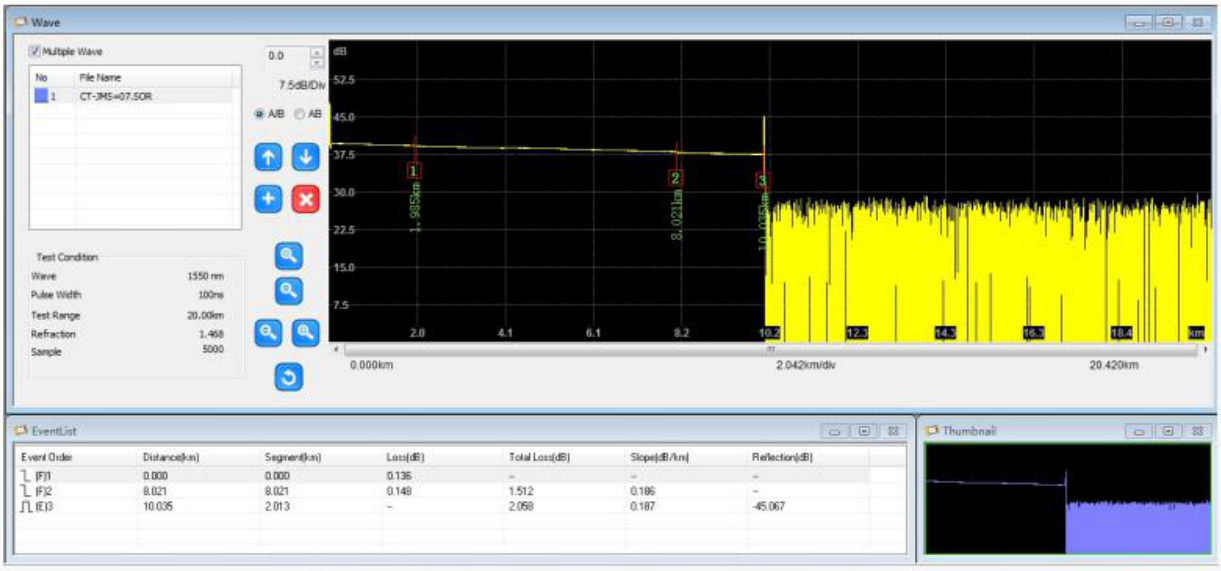
  -Windows 7 (32/64 bit system)

  -Windows 8 (32/64 bit system)

  -Microsoft Office Excel 2007

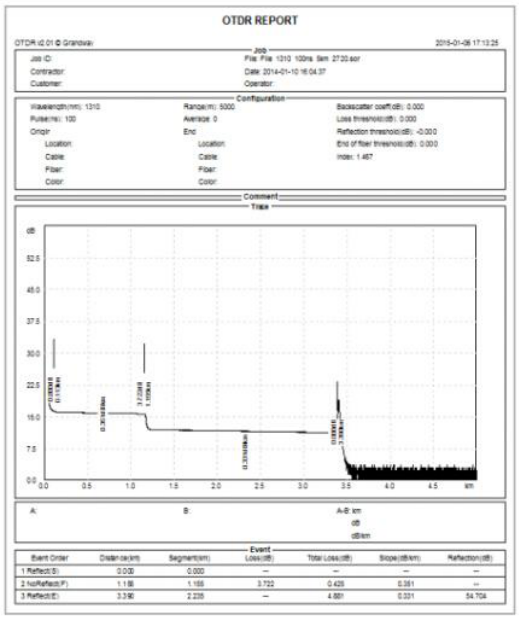
  -Microsoft Office Excel 2010

  -Microsoft Office Excel 2013



- **Delicate Report**

  -Simplified display style easy to read, support multi-result printing.



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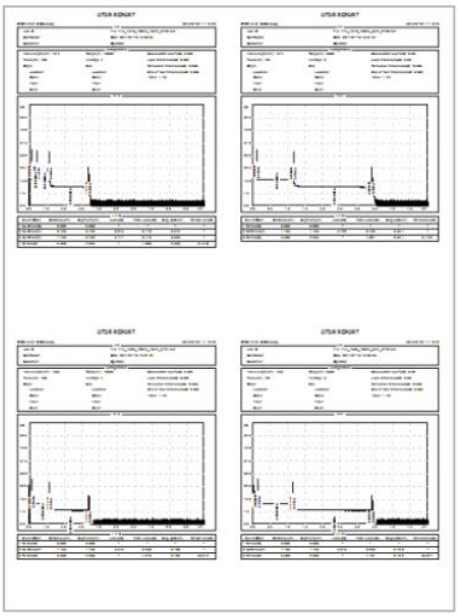

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Specification
General

Display	5 inch TFT-LCD (touch screen)
Battery	7.4V/3300mAh lithium battery (with air traffic certification), Continuously test: 6 hours (back light off)③, Charging time: 3.5 hours
Data Storage	40,000 groups of curves
Interface	3×USB port（USB A Type×2, Micro-USB×1）
Working Temp	-10℃~+50℃
Storage Temp	-20℃~+70℃
Humidity	≤95% (non-condensation)
Dimension	195×140.5×46mm / 0.9kg (battery included)
Accessories	Main unit, 12V power adapter, Lithium battery, FC adapter, USB cord, User guide, CD disk, carrying case, wrist belt

Test parameter

Pulse Width	3ns, 5ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1μs, 2μs, 5μs, 10μs, 20μs (20μs only for D35)
Testing Distance	100m, 500m, 2km, 5km, 10km, 20km, 40km, 80km, 120km, 160km, 240km
Sampling Resolution	Minimum 5cm
Sampling Point	Maximum 128,000 points
Linearity	≤0.05dB/dB
scale Indication	X axis: 4~70m/div, Y axis: 0.09~5dB/div
Loss Threshold	0.01dB
Loss Resolution	0.001dB
Distance Resolution	0.01m
Distance Accuracy	±(1m+measuring distance×3×10^{-5}+sampling resolution) (excluding IOR uncertainty)
Refractivity Setting	1.2000~1.5999, 0.0001 step

VFL Module (Optional)

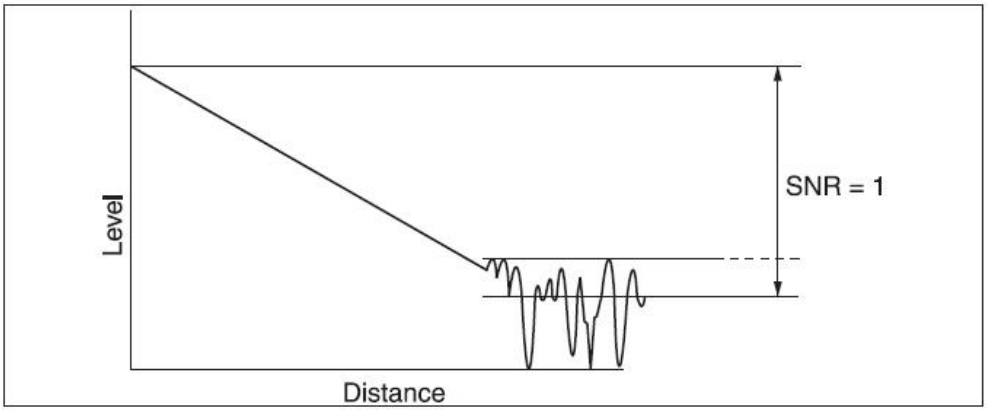
Wavelength	650nm
Power	10mw, CLASSIII B
Range	12km
Connector	FC/UPC
Launching Mode	CW/2Hz

OPM Module (Optional)

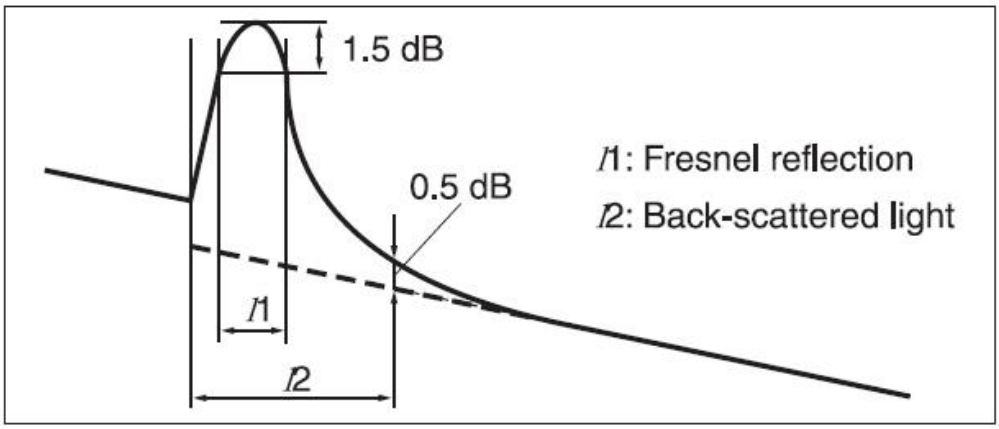
Wavelength Range	800~1700nm
Calibrated Wavelength	850/1300/1310/1490/1550/1625/1650nm
Test Range	-60~+5dBm
Resolution	0.01dB
Accuracy	±0.35dB±1nW
Modulation Identification	270/1k/2k Hz,Pi≥-40dBm
Connector	FC/UPC

Notes:

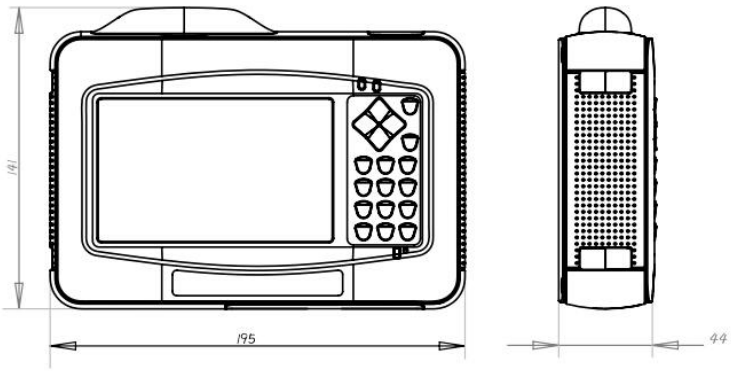
①Dynamic range is measured with maximum pulse width, averaging time is 3 minutes, SNR=1; The level difference between the RMS noise level and the level where near end back-scattering occurs.



②Event dead zone is measured with pulse width of 3ns; attenuation dead zone is measured with pulse width of 5ns.



③Typical, backlight off, sweeping halted at 25℃, 6 hours typical continuous testing.



Unit:mm
Except where noted, tolerance default as:±3%
(if size<10mm, tolerance:±0.3mm)